IN THE CLAIMS

Please amend the claims as follows:

1-16. (Canceled)

17. (Currently Amended) A redundant routing system, comprising:

a first routing unit configured to manage input and output data;

a second routing unit configured to manage input and output data;

a network interface ~~connecting~~ configured to connect said first and second routing units;

a standby bus interface ~~connecting~~ configured to connect said first and second routing units to each other[[;]],

wherein, when said first routing unit is managing said input and output data, said second routing unit is configured to detect a failure of said first routing unit by monitoring both said network and standby bus interfaces using messages sent over both the network and the standby bus ~~interface;~~ interfaces,

~~wherein,~~ when said second routing unit detects a failure of said first routing unit, said second routing unit is configured to deactivate said first routing unit so that said first routing unit no longer manages said input and output data and said second routing unit is further configured to start managing said input and output data, ~~and~~

~~wherein~~ sets of parameters for interpreting the messages, ~~comprising~~ including configuration parameters of an application ~~running~~ configured to run on at least one of the first and second routing units, are configured to be stored in at least one configuration file included in both said first and second routing units, and

when said first routing unit detects a failure in itself, said first routing unit is configured to deactivate itself to cease managing said input and output data and to allow said second routing unit to start managing said input and output data.

18. (Previously Presented) The system of claim 17, wherein said first and second routing units have identical functions and include identical software and configuration files.

19. (Previously Presented) The system of claim 17, further comprising at least one serial link connecting said first and second routing units to at least one other system.

20. (Previously Presented) The system of claim 19, wherein said at least one serial link comprises at least one Y-split cable.

21. (Canceled)

22. (Currently Amended) The system of claim [[21]] 17, wherein said first routing unit is configured to deactivate~~deactivates~~ itself and ~~activates~~ to activate said second routing unit by a change in an impedance of at least one input/output serial port.

23. (Previously Presented) The system of claim 22, wherein the change in impedance imparts putting said at least one input/output serial port in a high impedance state.

24. (Currently Amended) The system of claim 17, wherein said second routing unit is configured to deactivate~~deactivates~~ said first routing unit by sending a reset command to said first routing unit via the standby bus interface, said reset command executing a reset algorithm on said first routing unit.

25. (Previously Presented) The system of claim 17, wherein the messages are polling messages that are exchanged via said network and standby bus interfaces, said polling messages carrying information relevant to detecting said failure.

26. (Currently Amended) The system of claim 25, wherein said second routing unit is configured to detect~~detects~~ said failure of said first routing unit when said polling messages are not properly responded to on at least one of said network and standby bus interfaces.

27. (Canceled)

28. (Currently Amended) The system of claim 17, wherein, when launching [[an]] the application on said first and second routing units, the [[set]]sets of parameters ~~appropriate to said application is~~are loaded into a random access memory (RAM).

29. (Currently Amended) The system of claim 17, wherein said network interface is configured to link~~links~~ said first and second routing units with at least one remote client system.

30. (Previously Presented) The system of claim 17, wherein said network interface is the Internet.

31. (Previously Presented) The system of claim 17, wherein said network interface is an Ethernet network.

32. (Previously Presented) The system of claim 17, wherein said network interface is a digital local area network (LAN).

33. (Previously Presented) The system of claim 17, wherein said first and second routing units operate in Open Communication Processor (OCP) mode.

34. (Previously Presented) The system of claim 17, further comprising an alert protocol to warn of a possible failure of the system.

35. (Previously Presented) The system of claim 17, wherein said first and second routing units are data routers.

36. (Previously Presented) The system of claim 17, wherein said first and second routing units are data servers.

37. (Previously Presented) The system of claim 18, wherein, after said second routing unit is activated and starts managing input and output data, said first routing unit is configured to detect a failure of said second routing unit.

38. (Canceled)

39. (Currently Amended) A redundant routing system, comprising:

first routing means for managing input and output data;

second routing means for managing input and output data;

networking means for connecting said first and second routing means;

connecting means for ~~directly~~ connecting said first and second routing means to each other[[;]],

~~failure detection means,~~ wherein, when said first routing means ~~is managing~~ manages said input and output data, said second routing means ~~is configured to detect~~ detects a failure of said first routing means using both said networking and connecting means by using messages sent over both the networking and ~~connection~~ connecting means[[;]], and

~~resetting means, wherein,~~ when said second routing means detects a failure of said first routing means, said second routing means ~~is configured to deactivate~~ deactivates said first routing means so that said first routing means no longer manages said input and output data and said second routing means ~~is further configured to start~~ starts managing said input and output data[[;]],

~~wherein~~ said first and second routing means each include[[,]] configuration means[[,]] for storing sets of parameters for interpreting the messages, the sets of parameters ~~comprising~~

including configuration parameters of an application ~~running~~ configured to run on at least one of the first and second routing means, and

when said first routing means detects a failure in itself, said first routing means deactivates itself to cease managing said input and output data, and allows said second routing means to start managing said input and output data.

40. (Previously Presented) The system of claim 39, further comprising linking means or connecting said first and second routing means to at least one other system.

41. (Canceled)

42. (Previously Presented) The system of claim 39, further comprising polling means for exchanging the messages being polling messages via said networking and connecting means, said polling messages carrying information relevant to detecting said failure.

43. (Previously Presented) The redundant routing system of Claim 17, wherein the at least one configuration file further includes:

the messages themselves;

at least one transmission interval between the messages; and

at least one time limit between two messages.

44. (Currently Amended) The redundant routing system of Claim 39, wherein each~~the at least one~~ configuration means further includes:

the messages themselves;

at least one transmission interval between the messages; and

at least one time limit between two messages.

45. (New) The redundant routing system of Claim 24, wherein the first routing unit comprises the reset algorithm.

46. (New) The redundant routing system of Claim 45, wherein the second routing unit is configured to store a memory address of the reset algorithm installed in the first routing unit.